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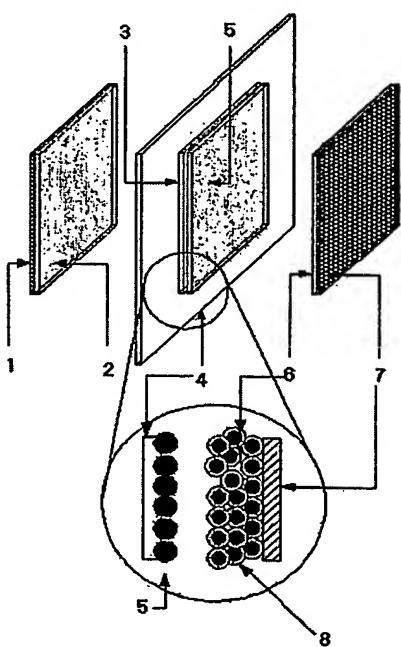
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(54) Title: HYBRID MEMBRANE-ELECTRODE ASSEMBLY WITH MINIMAL INTERFACIAL RESISTANCE AND PREPARATION METHOD THEREOF



(57) Abstract: The present invention provides a membrane-electrode assembly comprising: electrodes consisting of an anode comprising a gas diffusion layer and a catalyst material-containing active layer, and an cathode comprising a diffusion layer and a catalyst material-containing active layer; and an electrolyte membrane interposed between the anode and the cathode and comprising a catalyst material-containing active layer at one or both sides, the electrodes being hot-pressed, to the electrolyte membrane, wherein in coating the active layer on the gas diffusion layer, the viscosity of the active layer is in a range of 100 to 10,000 cPs, as well as a production method thereof. The inventive membrane-electrode assembly has a low interfacial resistance between the membrane and the electrodes, as well as high catalyst availability and excellent power density, and can be mass-produced.



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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